

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-7 (Canceled)

8. (Currently Amended) ~~The filtering seal of claim 7 further comprising a first boss protruding from the end face of the base member and a second boss protruding from the end face of the sealing flange.~~

In a fluid flow control device of the type having a body, a fluid flow path defined in the body including an inlet, an outlet, and a valve seat between the inlet and outlet, and a valve member selectably movable in and out of engagement with the valve seat, the improvement comprising a filtering seal disposable in the fluid flow path upstream of the valve seat, the filtering seal comprising:

a base member which defines an inlet in fluid communication with the flow path's inlet, an outlet in fluid communication with the valve seat, and an axis between the base member's inlet and outlet; said base member including a radially-extending sealing flange, with the radial sealing surface being defined on the sealing flange; said base member defining at its inlet a radial end face and the sealing flange has an end face which is coplanar with the end face of the base member;

a first boss protruding from the end face of the base member and a second boss protruding from the end face of the sealing flange;

an axial retainer surface formed on the base member;

a radial sealing surface formed on the base member and being engageable with the inlet of the control device body; and

a screen mounted on the base member in engagement with the retainer surface, the radial sealing surface being radially spaced from the screen a sufficient distance such that compression of the radial sealing surface will not compress the screen;

Claims 9-11 (Canceled)

12. (Currently Amended)~~The filtering seal of claim 10 wherein the screen support member further comprises a bead having a radial surface adjacent an end of the screen.~~

In a fluid flow control device of the type having a body, a fluid flow path defined in the body including an inlet, an outlet, and a valve seat between the inlet and outlet, and a valve member selectably movable in and out of engagement with the valve seat, the improvement comprising a filtering seal disposable in the fluid flow path upstream of the valve seat, the filtering seal comprising:

a base member which defines an inlet in fluid communication with the flow path's inlet, an outlet in fluid communication with the valve seat, and an axis between the base member's inlet and outlet;

an axial retainer surface formed on the base member;

a radial sealing surface formed on the base member and being engageable with the inlet of the control device body;

a screen mounted on the base member in engagement with the retainer surface, the radial sealing surface being radially spaced from the screen a sufficient distance such that compression of the radial sealing surface will not compress the screen;

a plurality of legs attached to the base member and extending therefrom;

a screen support member attached to the legs; said screen support member comprising of an axial retainer surface in engagement with the screen, a body sealing surface engageable with the control device body and a bead having a radial surface adjacent an end of the screen; and said body sealing surface being arranged axially on the screen support member.

13. (Canceled)

14. (Currently Amended) ~~The filtering seal of claim 13 wherein the axial retainer surface is formed on an outside diameter of the base member.~~

In a fluid flow control device of the type having a body, a fluid flow path defined in the body including an inlet, an outlet, and a valve seat between the inlet and outlet, and a valve member selectably movable in and out of engagement with the valve seat, the improvement comprising a filtering seal disposable in the fluid flow path upstream of the valve seat, the filtering seal comprising:

a base member which defines an inlet in fluid communication with the flow path's inlet, an outlet in fluid communication with the valve seat, and an axis between the base member's inlet and outlet; said base member having an annular shape;

an axial retainer surface formed on the base member; said axial retainer surface being formed on an outside diameter of the base member

a radial sealing surface formed on the base member and being engageable with the inlet of the control device body; and

a screen mounted on the base member in engagement with the retainer surface, the radial sealing surface being radially spaced from the screen a sufficient distance such that compression of the radial sealing surface will not compress the screen.

15. (Previously Presented) The filtering seal of claim 14 wherein the screen has a cylindrical portion the inside diameter of which is engaged with the axial retainer surface.

16. (Previously Presented) In a fluid flow control device of the type having a body, a fluid flow path defined in the body including an inlet, an outlet, and a valve seat between the inlet and outlet, and a valve member selectably movable in and out of engagement with the valve seat, the improvement comprising a filtering seal disposable in the fluid flow path upstream of the valve seat, the filtering seal comprising:

a base member which defines an inlet in fluid communication with the flow path's inlet, an outlet in fluid communication with the valve seat, and an axis between the base member's inlet and outlet;

an axial first retainer surface formed on the base member;

a radial sealing surface formed on the base member and being engageable with the inlet of the control device body;

a plurality of legs attached to the base member and extending therefrom;
a screen support member attached to the legs and including an axial second retainer surface and a body sealing surface engageable with the control device body; and
a screen mounted on the base member and the screen support member in engagement with the first and second retainer surfaces.

17. (Previously Presented) The filtering seal of claim 16 further comprising a plurality of locator members attached to the base member and engageable with the inlet of the control device body.

18. (Previously Presented) The filtering seal of claim 16 wherein the base member defines at its inlet a radial end face.

19. (Previously Presented) The filtering seal of claim 18 further comprising at least one boss protruding from the end face.

20. (Previously Presented) The filtering seal of claim 16 wherein the base member includes an axially-extending holder flange, with the first retainer surface being defined on said holder flange.

21. (Previously Presented) The filtering seal of claim 16 wherein the base member includes a radially-extending sealing flange, with the radial sealing surface being defined on said sealing flange.

22. (Previously Presented) The filtering seal of claim 21 wherein the sealing flange has an end face which is coplanar with the end face of the base member.

23. (Previously Presented) The filtering seal of claim 22 further comprising a first boss protruding from the end face of the base member and a second boss protruding from the end face of the sealing flange.

24. (Previously Presented) The filtering seal of claim 16 wherein the body sealing surface of the screen support member is arranged axially thereon.

25. (Previously Presented) The filtering seal of claim 16 wherein the screen support member further comprises a bead having a radial surface adjacent an end of the screen.

26. (Previously Presented) The filtering seal of claim 16 wherein the base member has an annular shape.

27. (Previously Presented) The filtering seal of claim 26 wherein the first and second retainer surfaces are formed on an outside diameter of the base member and the screen support member respectively.

28. (Previously Presented) The filtering seal of claim 27 wherein the screen is cylindrical and has its inside diameter in engagement with the first and second retainer surfaces.